

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/575,253B

Source: IFWO

Date Processed by STIC: 2/15/07

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/575,253B

CRF Edit Date: 2/15/07  
Edited by: [signature]

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓  
\_\_\_ Other: Seqs 7-8 - corrected amino acid numbering

\_\_\_\_\_

\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

DATE: 02/15/2007

PATENT APPLICATION: US/10/575,253B

TIME: 19:49:59

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02152007\J575253B.raw

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7 <130> FILE REFERENCE: 249-423
9 <140> CURRENT APPLICATION NUMBER: 10/575,253B
10 <141> CURRENT FILING DATE: 2006-04-10
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/015315
13 <151> PRIOR FILING DATE: 2004-10-08
15 <150> PRIOR APPLICATION NUMBER: JP2003-350166
16 <151> PRIOR FILING DATE: 2003-10-09
18 <160> NUMBER OF SEQ ID NOS: 32
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## RAW SEQUENCE LISTING

DATE: 02/15/2007

PATENT APPLICATION: US/10/575,253B

TIME: 19:49:59

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Output Set: N:\CRF4\02152007\J575253B.raw

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366 &lt;213&gt; ORGANISM: Cricetulus griseus

368 &lt;400&gt; SEQUENCE: 5

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376           35           40           45
378 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
379           50           55           60
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399 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
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403           180          185          190
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421           275          280          285
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426 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
427 305           310          315          320
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430           325          330          335
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436           355          360          365
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**VERIFICATION SUMMARY**

DATE: 02/15/2007

PATENT APPLICATION: US/10/575,253B

TIME: 19:50:00

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02152007\J575253B.raw



**Raw Sequence Listing before editing  
(for reference only)**



IFWO

## RAW SEQUENCE LISTING

DATE: 02/12/2007

PATENT APPLICATION: US/10/575,253B

TIME: 09:56:04

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 7 <130> FILE REFERENCE: 249-423  
 9 <140> CURRENT APPLICATION NUMBER: 10/575,253B  
 10 <141> CURRENT FILING DATE: 2006-04-10  
 12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/015315  
 13 <151> PRIOR FILING DATE: 2004-10-08  
 15 <150> PRIOR APPLICATION NUMBER: JP2003-350166  
 16 <151> PRIOR FILING DATE: 2003-10-09  
 18 <160> NUMBER OF SEQ ID NOS: 32  
 20 <170> SOFTWARE: PatentIn Ver. 2.1

*see pp 1-2*  
 Does Not Comply  
 Corrected Diskette Needed

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 599 <400> SEQUENCE: 7  
 600 Met Ala Ile Thr Val Ser Leu Val Asn Asn Lys Arg Lys Ile Val Val  
 601 1 5 10 15  
 603 Leu Ala Gln Pro Thr Thr Val Lys Arg Lys Arg Ile Thr Pro Tyr Lys  
 604 20 25 30  
 606 Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala Gly  
 607 35 40 45  
 609 Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln Arg  
 610 50 55 60  
 612 Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Lys Lys  
 E--> 613 65 70 75 80  
 615 Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu His  
 616 85 90 95  
 618 His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr Leu  
 619 100 105 110  
 621 Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu Thr  
 622 115 120 125  
 624 Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Ile Ser  
 625 130 135 140  
 627 Thr Gly His Trp Ser Gly Glu Val Lys Asp Lys Asn Val Gln Val Val  
 628 145 150 155 160  
 630 Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu Pro  
 631 165 170 175  
 633 Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Val Arg Val His Gly

## RAW SEQUENCE LISTING

DATE: 02/12/2007

PATENT APPLICATION: US/10/575,253B

TIME: 09:56:04

Input Set : A:\revised sequenc.txt

Output Set: N:\CRF4\02122007\J575253B.raw

```

634          180          185          190
636 Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile Arg
637          195          200          205
639 Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys Leu
640          210          215          220
642 Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp Lys
643 225          230          235          240
645 Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val His
646          245          250          255
648 Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp Lys
649          260          265          270
651 Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ser Leu Leu Lys Glu Ala
652          275          280          285
654 Lys Thr Lys Tyr Pro Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile Ser
655          290          295          300
657 Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg Gly
658 305          310          315          320
660 Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val Cys
661          325          330          335
663 Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln Thr
664          340          345          350
666 Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile Tyr
667          355          360          365
669 Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Ile Tyr Ala His
671          370          375          380
673 Gln Pro Arg Thr Ala Asp Glu Ile Pro Met Glu Pro Gly Asp Ile Ile
674 385          390          395          400
676 Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Val Asn Arg
677          405          410          415
679 Lys Leu Gly Arg Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu Lys
680          420          425          430
682 Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
683          435          440          445
686 <210> SEQ ID NO: 8
687 <211> LENGTH: 575
688 <212> TYPE: PRT
689 <213> ORGANISM: Sus scrofa
691 <400> SEQUENCE: 8
692 Met Arg Pro Trp Thr Gly Ser Trp Arg Trp Ile Met Leu Ile Leu Phe
693 1          5          10          15
695 Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
696          20          25          30
698 Asn Asp His Ser Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
699          35          40          45
701 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
702          50          55          60
704 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Pro Ala Ser
E--> 705 65          70          75          80
707 Gly Arg Val Arg Ala Leu Glu Glu Gln Phe Met Lys Ala Lys Glu Gln

```

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708					85					90					95	
710	Ile	Glu	Asn	Tyr	Lys	Lys	Gln	Thr	Lys	Asn	Gly	Pro	Gly	Lys	Asp	His
711					100					105				110		
713	Glu	Ile	Leu	Arg	Arg	Arg	Ile	Glu	Asn	Gly	Ala	Lys	Glu	Leu	Trp	Phe
714					115					120				125		
716	Phe	Leu	Gln	Ser	Glu	Leu	Lys	Lys	Leu	Lys	Asn	Leu	Glu	Gly	Asn	Glu
717					130					135				140		
719	Leu	Gln	Arg	His	Ala	Asp	Glu	Phe	Leu	Ser	Asp	Leu	Gly	His	His	Glu
720	145					150					155				160	
722	Arg	Ser	Ile	Met	Thr	Asp	Leu	Tyr	Tyr	Leu	Ser	Gln	Thr	Asp	Gly	Ala
723					165					170					175	
725	Gly	Asp	Trp	Arg	Glu	Lys	Glu	Ala	Lys	Asp	Leu	Thr	Glu	Leu	Val	Gln
726					180					185				190		
728	Arg	Arg	Ile	Thr	Tyr	Leu	Gln	Asn	Pro	Lys	Asp	Cys	Ser	Lys	Ala	Lys
729					195					200				205		
731	Lys	Leu	Val	Cys	Asn	Ile	Asn	Lys	Gly	Cys	Gly	Tyr	Gly	Cys	Gln	Leu
732					210					215				220		
734	His	His	Val	Val	Tyr	Cys	Phe	Met	Ile	Ala	Tyr	Gly	Thr	Gln	Arg	Thr
735	225					230					235				240	
737	Leu	Ala	Leu	Glu	Ser	His	Asn	Trp	Arg	Tyr	Ala	Thr	Gly	Gly	Trp	Glu
738					245					250					255	
740	Thr	Val	Phe	Arg	Pro	Val	Ser	Glu	Thr	Cys	Thr	Asp	Arg	Ser	Gly	Ser
741					260					265					270	
743	Ser	Thr	Gly	His	Trp	Ser	Gly	Glu	Val	Lys	Asp	Lys	Asn	Val	Gln	Val
744					275					280				285		
746	Val	Glu	Leu	Pro	Ile	Val	Asp	Ser	Val	His	Pro	Arg	Pro	Pro	Tyr	Leu
747					290					295				300		
749	Pro	Leu	Ala	Val	Pro	Glu	Asp	Leu	Ala	Asp	Arg	Leu	Val	Arg	Val	His
750	305					310					315				320	
752	Gly	Asp	Pro	Ala	Val	Trp	Trp	Val	Ser	Gln	Phe	Val	Lys	Tyr	Leu	Ile
753					325					330					335	
755	Arg	Pro	Gln	Pro	Trp	Leu	Glu	Lys	Glu	Ile	Glu	Glu	Ala	Thr	Lys	Lys
756					340					345				350		
758	Leu	Gly	Phe	Lys	His	Pro	Val	Ile	Gly	Val	His	Val	Arg	Arg	Thr	Asp
759					355					360				365		
761	Lys	Val	Gly	Ala	Glu	Ala	Ala	Phe	His	Pro	Ile	Glu	Glu	Tyr	Thr	Val
762					370					375				380		
764	His	Val	Glu	Glu	Asp	Phe	Gln	Leu	Leu	Ala	Arg	Arg	Met	Gln	Val	Asp
765	385					390					395				400	
767	Lys	Lys	Arg	Val	Tyr	Leu	Ala	Thr	Asp	Asp	Pro	Ala	Leu	Leu	Lys	Glu
768					405					410					415	
770	Ala	Lys	Thr	Lys	Tyr	Pro	Ser	Tyr	Glu	Phe	Ile	Ser	Asp	Asn	Ser	Ile
771					420					425				430		
773	Ser	Trp	Ser	Ala	Gly	Leu	His	Asn	Arg	Tyr	Thr	Glu	Asn	Ser	Leu	Arg
774					435					440				445		
776	Gly	Val	Ile	Leu	Asp	Ile	His	Phe	Leu	Ser	Gln	Ala	Asp	Phe	Leu	Val
777					450					455				460		
779	Cys	Thr	Phe	Ser	Ser	Gln	Val	Cys	Arg	Val	Ala	Tyr	Glu	Ile	Met	Gln
780	465					470					475				480	

## RAW SEQUENCE LISTING

DATE: 02/12/2007

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TIME: 09:56:04

Input Set : A:\revised sequenc.txt.

Output Set: N:\CRF4\02122007\J575253B.raw

```
782 Ala Leu His Pro Asp Ala Ser Ala Asn Phe Arg Ser Leu Asp Asp Ile
783           485           490           495
785 Tyr Tyr Phe Gly Gly Pro Asn Ala His Asn Gln Ile Ala Ile Tyr Pro
786           500           505           510
788 His Gln Pro Arg Thr Glu Gly Glu Ile Pro Met Glu Pro Gly Asp Ile
789           515           520           525
791 Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Pro Lys Gly Val Asn
792           530           535           540
794 Arg Lys Leu Gly Arg Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
795 545           550           555           560
797 Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Asp Lys
798           565           570           575
```

**VERIFICATION SUMMARY**

DATE: 02/12/2007

PATENT APPLICATION: US/10/575,253B

TIME: 09:56:05

Input Set : A:\revised sequenc.txt

Output Set: N:\CRF4\02122007\J575253B.raw

L:613 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7

L:705 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8